

08565 ACRYLIC BLOCK WINDOWS

THROUGHOUT SPECIFICATION SECTION ARE BOLD FACE ALL CAPITAL “EDIT NOTES” WHICH REQUIRE ACTION BY PROJECT ARCHITECT/ENGINEER (A/E) TO ADAPT TO SPECIFIC PROJECT REQUIREMENTS.

I. GENERAL**A. SUMMARY**

1. Furnish and install Hy-Lite Products, Inc. Acrylic Block Windows in accordance with contract documents.
2. All contract documents apply to work of this section, this includes but is not limited to: Agreement; Drawings; General and Supplementary Conditions; and, Division One administrative sections of Specifications.

B. REFERENCES

- a) American Architectural Manufacturers Association/National Window and Door Association — AMMA/NWWDA 101 I.S.2-97 Voluntary Specifications for Aluminum, Vinyl and Wood Windows and Glass Doors
2. American National Standards Institute—ANSI Z97.1-1984 Glazing Materials Used in Buildings, Safety Performance Specifications (Safety Glazing)
3. National Fenestration Rating Council - Test No. NFRC-100 Procedures for Determining Fenestration Product U-factors

C. DEFINITIONS

EDIT NOTE: MODIFY FOLLOWING PARAGRAPH “C1.” FOR ALUMINUM OR VINYL FRAME UNITS AND INSTALLATION LOCATION, INTERIOR OR EXTERIOR.

1. Acrylic Block Windows - an assembly of (aluminum) (vinyl) frame and molded acrylic block fabricated to resist weather penetration in accordance with listed standards. Suitable for use in (exterior) (interior) walls as closure to an opening provided in the basic construction.

D. SUBMITTALS

1. Submit product data for each product required for project.
2. Submit detailed and dimensioned shop drawings showing all details of fabrication and connections to adjoining construction. Indicate fastener types and locations, sealant proposed for use in field, and fabrication details of support brackets.
3. Submit samples of each block pattern and color required for project. Submit six inch long color and range samples of frame material.
4. Quality Assurance / Control.
 - a) Provide certificates from recognized independent testing laboratory or agency showing that each type,

- grade, and size of window unit complies with performance requirements indicated.
- b) Provide manufacturer’s instructions for installation, protection, and cleaning.
- 5. At closeout, submit one set of manufacturer’s recommended cleaning and maintenance procedures for Owner records and use.

E. QUALITY ASSURANCE

EDIT NOTE: REVIEW CODE AND REGULATORY REQUIREMENTS WHICH APPLY TO SPECIFIED PRODUCTS AT THIS PROJECT LOCATION. INCLUDE IMPACT ON INSTALLATION OR CONTRACTOR ACTIONS. INSERT APPROPRIATE TEXT AS PARAGRAPH “A” AND RENUMBER FOLLOWING PARAGRAPHS.

- 1. Certify products in accordance with AAMA/NWWDA 101/I.S.2-97 as follows:

EDIT NOTE: DELETE SUBPARAGRAPHS “1.” THROUGH “4” AS APPROPRIATE TO PROJECT REQUIREMENTS.

- a) Aluminum frame fixed windows 101/I.S.2-97
- b) Vinyl frame fixed windows 101/I.S.2-97
- c) Vinyl frame operating windows 101/I.S.2-97
- F. DELIVERY, STORAGE AND HANDLING
 - 1. Pack, ship, handle and unload in accordance with manufacturer’s instructions and recommendations to prevent damage to product.
 - 2. Store and protect all acrylic block windows in accordance with manufacturer’s instructions and recommendations to prevent damage and preserve quality until installed.

G. WARRANTY

- 1. Hy-Lite Products, Inc. warrants all acrylic block windows will be free of defective materials and workmanship for ten years. This warranty does not cover installation, and may be voided by improper installation and maintenance.

II. PRODUCTS

A. MANUFACTURERS

- 1. Provide acrylic block windows manufactured by:
Hy-Lite Products, Inc.
101 California Avenue
Beaumont. CA 92223
Voice 1/800/827-3691
Fax 1/800/827-4920
web site - www.hy-lite.com.

B. MANUFACTURED UNITS

EDIT NOTE: DELETE WINDOW TYPES NOT REQUIRED FOR PROJECT. SELECT FROM AVAILABLE ACRYLIC BLOCK SIZES, COLORS, AND PATTERNS. INSERT MODEL NUMBERS FOR WINDOWS NOT CLEARLY

**IDENTIFIED ON DRAWINGS. INSERT LISTING OF ACCESSORIES
REQUIRED FOR EACH WINDOW TYPE SELECTED.**

1. Aluminum framed fixed windows -
 - a) (7/8") (1 3/8") nail fin offset
 - b) (J-channel frame) (stucco block frame) (round top frame) (arch top frame) (1 3/4" frame) with thermal break;
 - c) Frame color - (white) (tan) (bronze) (clear anodized)
 - d) Acrylic block
 - (6"x6"x2", clear wave),
 - (6"x6"x2", clear frosted wave),
 - (6"x6"x2", clear cross rib uniform),
 - (6"x6"x2", clear cross rib alternating),
 - (6"x6"x2", green wave),
 - (6"x6"x2", green frosted wave),

 - (6"x6"x3", clear wave),
 - (6"x6"x3", clear frosted wave),
 - (6"x6"x3", green wave),
 - (6"x6"x3", green frosted wave),
 - (6"x6"x3", blue wave),
 - (6"x6"x3", blue cross rib uniform),
 - (6"x6"x3", blue cross rib alternating),
 - (6"x6"x3", rose wave),
 - (6"x6"x3", rose cross rib uniform),
 - (6"x6"x3", rose cross rib alternating),
 - (6"x6"x3", peach wave),
 - (6"x6"x3", peach cross rib uniform),
 - (6"x6"x3", peach cross rib alternating),

 - (8"x8"x2", clear wave),
 - (8"x8"x2", clear frosted wave),
 - (8"x8"x2", clear cross rib uniform),
 - (8"x8"x2", clear cross rib alternating),
 - (8"x8"x2", green wave),
 - (8"x8"x2", green frosted wave),

 - (8"x8"x3", clear wave),
 - (8"x8"x3", clear frosted wave),
 - (8"x8"x3", clear cross rib uniform),
 - (8"x8"x3", clear cross rib alternating),
 - (8"x8"x3", blue wave),
 - (8"x8"x3", blue cross rib uniform),
 - (8"x8"x3", blue cross rib alternating),
 - (8"x8"x3", rose wave),
 - (8"x8"x3", rose cross rib uniform),
 - (8"x8"x3", rose cross rib alternating),
 - (8"x8"x3", peach wave),

(8"x8"x3", peach cross rib uniform),
 (8"x8"x3", peach cross rib alternating),

size and model number designation as shown on drawings.

For units specified provide (insert listing of accessories).

AAMA/NWWDA 101/I.S.2-97.

Glazing meet ANSI Z97.1-1984; "ANSI Z97.1-1984" engraved in each individual block.

2. Vinyl framed fixed windows -
 - a) Frame color - (white) (tan)
 - b) Acrylic block -
 - (6"x6"x2", clear wave),
 - (6"x6"x2", clear frosted wave),
 - (6"x6"x2", clear cross rib uniform),
 - (6"x6"x2", clear cross rib alternating),
 - (6"x6"x2", green wave),
 - (6"x6"x2", green frosted wave),

 - (8"x8"x2", clear wave),
 - (8"x8"x2", clear frosted wave),
 - (8"x8"x2", clear cross rib uniform),
 - (8"x8"x2", clear cross rib alternating),
 - (8"x8"x2", green wave),
 - (8"x8"x2", green frosted wave),

size and model number designation as shown on drawings.

For units specified provide (insert listing of accessories).

AAMA/NWWDA 101/I.S.2-97.

Glazing meet ANSI Z97.1-1984; "ANSI Z97.1-1984" engraved in each individual block.

3. Vinyl framed operating windows:
 - a) Casement windows
 - b) Frame color - (white) (tan)
 - c) Acrylic block
 - (6"x6"x2", clear wave),
 - (6"x6"x2", clear frosted wave),
 - (6"x6"x2", clear cross rib uniform),
 - (6"x6"x2", clear cross rib alternating),
 - (6"x6"x2", green wave),
 - (6"x6"x2", green frosted wave),

 - (8"x8"x2", clear wave),
 - (8"x8"x2", clear frosted wave),
 - (8"x8"x2", clear cross rib uniform),
 - (8"x8"x2", clear cross rib alternating),
 - (8"x8"x2", green wave),
 - (8"x8"x2", green frosted wave),

size and model number designation as shown on drawings.

For units specified provide (insert listing of accessories).

AAMA/NWWDA 101/I.S.2-97.

Glazing meet ANSI Z97.1-1984; "ANSI Z97.1-1984" engraved in each individual block.

4. Awning Windows

- a) Frame color - (white) (tan)
- b) Acrylic block
 - (6"x6"x2", clear wave),
 - (6"x6"x2", clear frosted wave),
 - (6"x6"x2", clear cross rib uniform),
 - (6"x6"x2", clear cross rib alternating),
 - (6"x6"x2", green wave),
 - (6"x6"x2", green frosted wave),

 - (8"x8"x2", clear wave),
 - (8"x8"x2", clear frosted wave),
 - (8"x8"x2", clear cross rib uniform),
 - (8"x8"x2", clear cross rib alternating),
 - (8"x8"x2", green wave),
 - (8"x8"x2", green frosted wave),

size and model number designation as shown on drawings.

For units specified provide (insert listing of accessories).

AAMA/NWWDA 101/I.S.2-97.

Glazing meet ANSI Z97.1-1984; "ANSI Z97.1-1984" engraved in each individual block.

5. Aluminum framed interior panels -

- a) Frame color - (white) (tan) (bronze) (clear anodized)
- b) Acrylic block
 - (6"x6"x2", clear wave),
 - (6"x6"x2", clear frosted wave),
 - (6"x6"x2", clear cross rib uniform),
 - (6"x6"x2", clear cross rib alternating),
 - (6"x6"x2", green wave),
 - (6"x6"x2", green frosted wave),

 - (6"x6"x3", clear wave),
 - (6"x6"x3", clear frosted wave),
 - (6"x6"x3", green wave),
 - (6"x6"x3", green frosted wave),
 - (6"x6"x3", blue wave),
 - (6"x6"x3", blue cross rib uniform),
 - (6"x6"x3", blue cross rib alternating),
 - (6"x6"x3", rose wave),
 - (6"x6"x3", rose cross rib uniform),
 - (6"x6"x3", rose cross rib alternating),

(6"x6"x3", peach wave),
 (6"x6"x3", peach cross rib uniform),
 (6"x6"x3", peach cross rib alternating),

(8"x8"x2", clear wave),
 (8"x8"x2", clear frosted wave),
 (8"x8"x2", clear cross rib uniform),
 (8"x8"x2", clear cross rib alternating),
 (8"x8"x2", green wave),
 (8"x8"x2", green frosted wave),

(8"x8"x3", clear wave),
 (8"x8"x3", clear frosted wave),
 (8"x8"x3", clear cross rib uniform),
 (8"x8"x3", clear cross rib alternating),
 (8"x8"x3", blue wave),
 (8"x8"x3", blue cross rib uniform),
 (8"x8"x3", blue cross rib alternating),
 (8"x8"x3", rose wave),
 (8"x8"x3", rose cross rib uniform),
 (8"x8"x3", rose cross rib alternating),
 (8"x8"x3", peach wave),
 (8"x8"x3", peach cross rib uniform),
 (8"x8"x3", peach cross rib alternating),

size and model number designation as shown on drawings.

For units specified provide (insert listing of accessories).

Glazing meet ANSI Z97.1-1984; "ANSI Z97.1-1984" engraved in each individual block.

EDIT NOTE: DELETE COMPONENTS WHICH ARE NOT REQUIRED FOR WINDOW TYPES REQUIRED FOR PROJECT. DELETE PROPERTIES FOR ACRYLIC BLOCKS WHICH ARE NOT REQUIRED FOR PROJECT.

EDIT NOTE: DELETE FABRICATION METHODS NOT APPLICABLE TO WINDOW TYPES REQUIRED FOR PROJECT.

C. FABRICATION

1. Assembly of aluminum windows: Corners accurately cut to present tight-fitting joints, securely joined with self-tapping cadmium plated steel screws; fully caulked to prevent leakage; glazed with acrylic block, joints fully caulked with white weather tight sealant; ready for field installation. AAMA/NWWDA 101/I.S.2-97.
2. Assembly of vinyl windows: Mitered fusion welded corners, fully caulked to prevent leakage; glazed with acrylic block, joints fully caulked with white weather tight sealant; ready for field installation. AAMA/NWWDA 101/I.S.2-97.

III. EXECUTION**A. EXAMINATION**

1. Site Verification of Conditions:
 - a) Prior to start of installation, inspect all preceding work to ensure that conditions meet manufacturer recommendations and that there are no conditions which will cause an unsatisfactory installation of work to be preformed.
 - b) Notify Architect in writing of any unacceptable conditions.
 - c) Do not install any work until unsatisfactory conditions are corrected and acceptable for proper installation of work.
 - d) Correct any unacceptable work installed over unsatisfactory conditions at no cost to Owner.

B. PREPARATION

EDIT NOTE: PROTECTION COULD BE OMITTED IF APPROPRIATE TO WORK. MIGHT BE CONSIDERED MOST APPLICABLE TO WINDOW REPLACEMENT.

1. Protect surrounding and adjacent work to prevent damage to preceding work during execution of this work.
2. Prepare opening for installation to meet manufacturer's recommendations.

EDIT NOTE: DELETE PARAGRAPH "B3." IF NO ALUMINUM FRAMES ON PROJECT.

3. Isolate aluminum from dissimilar metals, other than nonmagnetic stainless steel, and cementitious materials in accordance with manufacturer instructions. Conceal all isolation coatings or materials with finished work.

C. INSTALLATION

1. Obtain manufacturer's instructions for successful installation of work to be preformed. Become knowledgeable on window handling and installation recommendations. Carefully follow printed instructions. Set window units plumb, level, and true to line, without warp or rack of frames or sash, without distortion, allowing for thermal movement. Set sill in sealant bed where recommended. Provide proper support and anchor securely in place.
2. Coordinate work with other contractors and provide proper accommodation for following work by other trades.
3. Install sealant in accordance with manufacturer installation recommendations, use only sealants which are compatible with adjacent materials contacted by sealant.

D. ADJUSTING

1. At completion of project inspect all installed units and operate all movable sash to ensure free and proper operation of all units.
- E. CLEANING
1. At completion of work, remove all excess material, dirt, dust, trash, and other materials, resulting from the installation. Clean surfaces of blocks and frames, remove all temporary labels, and leave the area clean.
 2. Clean, as necessary, during following construction operations to prevent damage from material deposited on units.
- F. PROTECTION
1. Provide protection of all installed materials to prevent damage during subsequent operations.

IV. END OF SECTION